

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOLID WASTE ADMINISTRATION

Attachment C  
Document No. 1

A

SPECIAL WASTE MANIFEST

A 33675

SECTION I TO BE COMPLETED BY THE SPECIAL WASTE GENERATOR

Plant Identification Number 00048 Pick-Up Date 02/05/79  
 Company Name Allied Chemical Corp MO. DAY YR.  
 Pick-Up Address Chesterfield, Pa.  
 Name of Hauler Nesco Chemical Address Niagara Falls, N.Y.  
 Name of Facility SCP Address Newark, N.J.  
 Handling Instructions: Emergency Spill Phone Nos.: 609-292-5560 or 609-292-7172

Order # 10491

ENTERED  
MAR 13 1979  
NO. 2

Waste Type	Number of Containers	Physical State	Hazard ID	Total Quantity Identify units in pounds or gallons use P for pounds and G for gallons	Pounds or Gallons	Rejected Amount
1. Acid Solution	20	L	C			
2. Alkaline Solution						
3. Arsenic Residues						
4. Catalyst Residues						
5. Cyanide Residues						
6. Chlorinated (Dioxin, Furan) Residues						
7. Etching, Pickling, & Plating Residue						
8. Explosive Residue						
9. Filter Clays, Filter Aids						
10. Ester, Alcohol, Ether, Ketone, Glycol Residues						
11. Heavy Metal Residue						
12. Organic and Heavy Metal Residue Mixture						
13. Latex Residue						
14. Peroxide						
15. Oil and Oil Sludges, Emulsions						
16. Paint and Pigment Residues						
17. Pesticides						
18. Pharmaceutical Wastes (Drugs, etc.)						
19. Laccams, Amines, Mercaptans, Amide						
20. Plasticizer, Resin, Monomer, Elastomer Residues						
21. PCB/PBB Contaminated Materials						
22. Solvent, Halogenated Organic	30	P	L			
23. Solvent, Mixed						
24. Still Bottoms						
25. Radioactive Residue						
26. Tetraethyl Lead Residues						
Other (See Instructions)						
27.						
28.						
29.						
30.						

I certify that the above information is correct to the best of my knowledge.  
 Date 2-5 Signature and Title [Signature]

SECTION II TO BE COMPLETED BY THE SPECIAL WASTE HAULER

I certify that the described quantity of material (s) listed in Section I was collected by me. State Number  
 Date 2-5 Signature [Signature] Vehicle License Plate Number 71666 NJ

SECTION III TO BE COMPLETED BY THE SPECIAL WASTE HAULER

Name of Hauler Nesco Chemical Address Niagara Falls, N.Y.  
 I certify that the described quantity of material (s) listed in Section I was hauled by me to the Special Waste Facility named in Section I.  
 Date 2-6 Signature [Signature] Vehicle License Plate Number WV 71666 NJ

SECTION IV TO BE COMPLETED BY THE SPECIAL WASTE FACILITY

Name of Facility SCP Address 411 Wilson Ave Newark  
 Registration Number 6714C Date Waste Received 02/06/79 ☒ Accepted ☐ Rejected  
 I certify that the hauler stated above delivered the waste described in Section I to this Facility.  
 Date 2-6-79 Signature and Title [Signature]



FC-7890 (7/69)

FC-7890 (7/69)

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering property named herein, and is intended solely for filing or record.

Lorber Trucks

Carrier

Shipper's No. W/O 10491

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading

at Chesterfield Va. Feb. 5 19 79 from Allied Chemical Corp.

the property described herein, in apparent good order, except as noted (contents and condition of contents of packages unknown), packed, conveyed, and delivered as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party of any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to S.C.P. Corp. (PER) Allied Chemical Corp.Destination Newark N.J. State \_\_\_\_\_ Zip Code \_\_\_\_\_ County \_\_\_\_\_ (Mail or street address of consignee—For purposes of notification only.)

Delivery Address \* \_\_\_\_\_ (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route \_\_\_\_\_

Delivering Carrier LORBER TRUCKS

Car or Vehicle Initials

No.

No. Packages	Kind of Package Description of Articles, Special Marks, and Exceptions	Weight (Sub. to Car.)	Class or Rate	Check Column	No.
	Load First Code 183-K,F,A 8 a.m. p.u.				Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor) If charges are to be prepaid, write or stamp here, "To Be Prepaid." Received by _____ to apply in prepayment of the charges on the property described herein. Agent or Carrier For _____ (The signature here acknowledges only the amount prepaid.) Charges Advanced \$
	Del. 183-L,C,E,J,D,G,H				
	loading in <u>500 AM</u>				
	out <u>1210 PM</u>				
	unloading in				Received by _____ to apply in prepayment of the charges on the property described herein. Agent or Carrier For _____ (The signature here acknowledges only the amount prepaid.) Charges Advanced \$
	out				
	C/O Mr. Samond At Allied #804-458-7811				Received by _____ to apply in prepayment of the charges on the property described herein. Agent or Carrier For _____ (The signature here acknowledges only the amount prepaid.) Charges Advanced \$
	Gene Brown At S.C.P # 201-589-7777				

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.  
 The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_  
 \*The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification.  
 Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

Allied To S.C.P

Shipper, Per [Signature]Agent, Per [Signature]

3

Permanent care-office address of shipper.

65695 Rediforme

POLY PAK (50 SETS), 65695

PALLET #1		
AR-037✓	Chromic Acid	5gal
AR-038✓	Formic Acid	55gal
AR-039✓	Chromic Acid	5gal
1-1-11✓	Waste Oil	55gal
H-1-11✓	Waste Oil	55gal
AR-040✓	Chromic Acid	5gal
PALLET #2		
PR-306✓	Ethylene Glycol	55gal
PR-306-A✓	Ethylene Glycol	55gal
PR-306-B✓	Ethylene Glycol	55gal
PR-306-C✓	Ethylene Glycol	55gal
PALLET #3		
T&I-14✓	Tire Yarn Dip	55gal
AR-041✓	Formic Acid	55gal
FS-12✓	Waste Oil	55gal
FS-13✓	Waste Oil	55gal
PALLET #4		
FS-14✓	Waste Oil	55gal
FS-15✓	Waste Oil	55gal
FS-16✓	Waste Oil	55gal
FS-17✓	Waste Oil	55gal
PALLET #5		
FS-18✓	Waste Oil	55gal
FS-19✓	Waste Oil	55gal
FS-20✓	Waste Oil	55gal
FS-21✓	Waste Oil	55gal
PALLET #6		
AR-045✓	Chromic Acid	5gal
U-1✓	Carbon	30 gal LP
T&I 15✓	Tire Yarn Dip	55gal
AR-044✓	Flam Liquid	55gal
PALLET #7		
AR-042✓	Formic Acid	55gal
AR-043✓	Formic Acid	55gal
PR-307✓	MISC LAB CHEM (FLAM) GROUP	55gal
FS-22✓	WASTE FINISH	55gal
PALLET #8		
A-1-12✓	WASTE OIL	55gal

(OUTSIDE)

PR-309✓	MISC FLAM. LIQUID GROUP	55gal
PR-309A✓	ETHYLENE GLYCOL	55gal
PR-309B✓	ETHYLENE GLYCOL	55gal
FS-23✓	WASTE FINISH OIL	55gal
AR-046✓	CHROMIC ACID SOL	5gal

78-20✓	TRIETHANOLAMINE	55gal
78-21✓	"	"
78-22✓	"	"
78-23✓	"	"
78-24✓	TRIETHANOLAMINE	55gal
78-25✓	"	"
78-26✓	"	"
78-27✓	"	"
FS-24✓	Waste finish oil	55gal
T&I #16✓	TIRE YARN DIP	55gal
T&I #17✓	TIRE YARN DIP	55gal
AR-047✓	FLAM. LIQ.	55gal
PR-309✓	FLAM. LAB CHEM GROUP	55gal
PR-310✓	MISC. LAB CHEM IRRITANT GROUP C	55gal
PR-311✓	MISC WASTE CHEM NON-FLAM	55gal
A-1-14✓	WASTE OIL	55gal
T&I #18✓	WASTE TIRE YARN DIP	55gal
AR-050✓	CHROMIC ACID SOL	5gal
PR-312✓	MISC CHEMICALS IRRITANTS GROUP C	55gal
PR-313✓	MISC " POISON GROUP C	55gal
PR-314✓	MISC. LAB CHEM - IRRITANT GROUP C	55gal
T&I #19✓	WASTE TIRE YARN DIP	55gal
PR-315✓	MISC. CHEM. IRRITANTS GROUP C	55gal
AR-050✓	CHROMIC ACID SOL.	5gal
AR-051✓	FORMIC ACID SOL	55gal
PR-315A✓	WASTE ETHYLENE GLYCOL	55gal
PR-315B✓	" " "	"
PR-315C✓	" " "	"
PR-315D✓	" " "	"
T&I #20✓	WASTE TIRE YARN DIP	55gal
AR-053✓	FORMIC ACID SOL	55gal
AR-054✓	" " "	55gal
FS-25✓	WASTE FINISH OIL	55gal
A-15✓	Waste oil	55gal
AR-052✓	Chromic acid solution	5gal
T&I #21✓	Waste Tire Yarn Dip	55gal

71 drums shipped 2/5/79

HAZARDOUS AND NON-HAZARDOUS MATERIAL TEST DATA  
CHEMICAL-TECHNICAL CENTER  
FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-  
FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - W.P. Lipscomb EHT-T&I*
2. Local Container I.D. No.: *EHT-T&I #20*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion*  
*Slight Traces <0.5% Basic salts, pH about 10 or*  
*lower*
6. Type of Packaging: *Steel Drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to*  
*drums, do not reuse drums*

*Harry D. Clary*  
Originator's Signature  
1-9-79  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- |  |                   |
|--|-------------------|
| Date Inspected by Safety:                                  | (Safety Engineer) |
| Gross Weight: <i>450 #</i>                                 | (Services)        |
| Date Taken to Storage Shed: (if applicable) <i>1/10/79</i> | (Services)        |
| Final Destination:   | (Services)        |
| Shipper's Business Name:                                   | (Services)        |
| Date Shipped:  | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Selman* *1/10/79*  
Services

\_\_\_\_\_  
Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department:

*B. W. Schum - Trash Service*

2. Local Container I.D. No.:

*Waste Trash Oil Drum #FS-25*

3. Material to be Transported:  
(Proper Shipping Name)

*Waste Trash Oil*

4. Hazard Class:

*Non-Hazardous*

5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)

*45/100% Organic finish ingredients*

6. Type of Packaging:

*Open Top Steel Drum*

7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schum*  
Originator's Signature

*January 9, 1979*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety:

(Safety Engineer)

2. Gross Weight: *450 #*

(Services)

3. Date Taken to Storage Shed: (if applicable) *1/10/79*

(Services)

4. Final Destination:

(Services)

5. Shipper's Business Name:

(Services)

6. Date Shipped:

(Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. H. Schum*  
Services

*1/14/79*  
Date

Safety Engineer

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

## TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *HL Helmer, Routine Analytical Lab*
2. Local Container I.D. No.: *AR-053*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic Solution: 55% Formic 17% Phenol 3% O-Cresol  
10% Methanol 5% Benzyl 1% Tetrachloroeth  
9% Chloroform 5% Acetone 5% dissolved  
Naphthyl and  
Polyester  
Polymers
6. Type of Packaging: *6D-drum*  
*(55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*Wear rubber gloves and face protection.*

*H. L. Helmer*

Originator's Signature

*01-08-79*

Date

## TO BE FILLED OUT BY SAFETY ENGINEER &amp; SERVICES:

1. Date Inspected by Safety: *1/11/79* (Safety Engineer) *[Signature]*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/10/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*

Services

*1/11/79*

Date

*[Signature]*

Safety Engineer

*1/11/79*

Date



FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Hk Helmer, Routine Analytical Lab*
2. Local Container I.D. No.: *AR-054*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Organic Solution:* 55% Formic 7% Phenol 3% o-Cresol  
10% Methanol 5% Benzyl 1% Tetrachloroeth  
9% Chloroform 5% Acetone 5% dissolved  
Nylon and  
Polyester  
polymers
6. Type of Packaging: *6D-drum*  
*(55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*Wear rubber gloves and face protection.*

*Hk Helmer*

Originator's Signature

*01-08-79*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *1/9* (Safety Engineer) *[Signature]*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/10/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*P. N. [Signature]*

Services

*1/10/79*

Date

*P. N. [Signature]*  
Safety Engineer

*1/9*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *AR-052*
3. Material to be Transported:  
(Proper Shipping Name) *Chromic Acid Solution*
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)

*Inorganic Solution*

6. Type of Packaging: *"G-D" 5 gallons*
7. Potential Hazards and Recommended Procedures:

*Strong Corrosive Solution*

*Use: rubber gloves and  
safety glasses*

*H.L. Helmer*

Originator's Signature

*January 02, 1979*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *1/8/79* *[Signature]* (Safety Engineer)
2. Gross Weight: *50 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/7/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*[Signature]*

Services

*1/7/79*

Date

*[Signature]*

Safety Engineer

*1/8/79*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: STEVE CLARK POLYMER RESEARCH SERV.
2. Local Container I.D. No.: PR-315(A) B, C, D
3. Material to be Transported: WASTE GLYCOL - COMPOSITION BELOW. #5  
(Proper Shipping Name)
4. Hazard Class: COMBUSTIBLE LIQUID
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  

90% ETHYLENE GLYCOL  
7% TEREPHTHALIC ACID  
2% DIISOPROPYLAMINE  
1% ANTIMONY ACETATE
6. Type of Packaging:  

4 X 55 GAL DRUMS - DOT SPECIFICATIONS DRUMS.
7. Potential Hazards and Recommended Procedures:  

DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT.

Steve Clark  
 Originator's Signature  
12-20-78  
 Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 12/29/78 (Safety Engineer APD)
2. Gross Weight: 450 # (Services)
3. Date Taken to Storage Shed: (if applicable) 1/9/79 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R. N. [Signature] 1/9/79  
 Services

[Signature]  
 Safety Engineer  
12/29/78  
 Date

PR-315A, B, C, D.

12-20-78

90% ETHYLENE GLYCOL

4 X 55 GAL. DRUMS

7% TEREPHTHALIC ACID

2% DIISOPROPYLAMINE

1% ANTIMONY ACETATE

} TRACE  
AMOUNTS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *STEVE CLARK POLYMER RESEARCH SERV.*
2. Local Container I.D. No.: *PR-315A, (B) C, D*
3. Material to be Transported: *WASTE GLYCOL - COMPOSITION BELOW, #5*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*90% ETHYLENE GLYCOL*  
*7% TEREPHTHALIC ACID*  
*TRACE 2% DIISOPROPYLAMINE*  
*AMOUNT 1% ANTIMONY ACETATE*
6. Type of Packaging:  
*4 X 55 GAL DRUMS - DOT SPECIFICATION 5 DRUMS.*
7. Potential Hazards and Recommended Procedures:  
*DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT.*

*Steve Clark*

Originator's Signature

*12-20-78*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *12/29/78* (Safety Engineer *[Signature]*)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/9/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*J.C.N. [Signature]* *1/9/79*  
Services

Date

*[Signature]*  
Safety Engineer

*12/29/78*  
Date

PR-315A, B, C, D.

12-20-78

90% ETHYLENE GLYCOL

4 X 55 GAL. DRUMS

7% TEREPHTHALIC ACID

2% DIISOPROPYLAMINE

1% ANTIMONY ACETATE

} TRACE  
AMOUNTS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *STEVE CLARK POLYMER RESEARCH SERV.*
2. Local Container I.D. No.: *PR-315A, B, (C) D*
3. Material to be Transported: *WASTE GLYCOL - COMPOSITION BELOW, #5*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*90% ETHYLENE GLYCOL*  
*7% TEREPHTHALIC ACID*  
*TRACE AMOUNT 2% DIISOPROPYLAMINE*  
*1% ANTIMONY ACETATE*
6. Type of Packaging:  
*4 X 55 GAL DRUMS - DOT SPECIFICATIONS DRUMS.*
7. Potential Hazards and Recommended Procedures:  
*DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT.*

*Steve Clark*

Originator's Signature

*12-20-78*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *12/29/78* (Safety Engineer *JH*)
2. Gross Weight: *450#* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/9/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]* *1/9/79*  
Services

Date

*[Signature]*  
Safety Engineer  
*12/29/78*  
Date

PR-315A, B, C, D.

12-20-78

90% ETHYLENE GLYCOL

4 X 55 GAL. DRUMS

7% TEREPHTHALIC ACID

2% DIISOPROPYLAMINE

1% ANTIMONY ACETATE

} TRACE  
AMOUNTS



FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Steve Clark POLYMER RESEARCH SERV.*
2. Local Container I.D. No.: *PR-315A, B, C, (D)*
3. Material to be Transported: *WASTE GLYCOL - COMPOSITION BELOW, #5*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  

TRACE AMOUNT	{	<i>90% ETHYLENE GLYCOL</i>
		<i>7% TEREPHTHALIC ACID</i>
		<i>2% DIISOPROPYLAMINE</i>
		<i>1% ANTIMONY ACETATE</i>
6. Type of Packaging:  
*4 X 55 GAL DRUMS - DOT SPECIFICATIONS DRUMS.*
7. Potential Hazards and Recommended Procedures:  
*DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT.*

*Steve Clark*

Originator's Signature

*12-20-78*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *12/29/78* (Safety Engineer *[Signature]*)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/9/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*RH [Signature]* *1/9/79*  
Services

*A.H. [Signature]*  
Safety Engineer  
*12/29/78*  
Date

PR-315A, B, C, D.

12-20-78

90% ETHYLENE GLYCOL

4 X 55 GAL. DRUMS

7% TEREDHTHALIC ACID

2% DIISOPROPYLAMINE

1% ANTIMONY ACETATE

} TRACE  
AMOUNTS



HAZARDOUS AND NON-HAZARDOUS MATERIAL MANIFEST DATA  
ALLIED CHEMICAL-TECHNICAL CENTER

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *STEVE CLARK POLYMER RESEARCH SERVICES*
2. Local Container I.D. No.: *PR-315*
3. Material to be Transported: *WASTE CHEMICALS (MISC.)*  
(Proper Shipping Name)
4. Hazard Class: *IRRITANT* *GROUP C*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*ORGANIC NATURE (MISC. LIQ. AND OR SOLIDS)*
6. Type of Packaging: *MAILING TUBES INSIDE D.O.T. SPEC. 55*  
*9AL. DRUM*
7. Potential Hazards and Recommended Procedures:  
*DO NOT EXPOSE TO FIRE OR EXCESSIVE HEAT.*

*Stephen H. Clark*  
Originator's Signature  
*12-8-8*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *12/11/78* (Safety Engineer) *[Signature]*
2. Gross Weight: *300 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *12/1/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*  
Services  
*12/1/78*  
Date

*[Signature]*  
Safety Engineer  
*12/11/78*  
Date

# IRRITANT #2

~~1-1~~  
1-1

<del>POLYPROPYLENE ADIPATE POLYMER</del>	<del>1 X 4 oz</del>
POLY(1,2-PROPYLENE SUBERATE)	1 X 8 oz
SODIUM ALKYL NAPHTHALENE SULFONATE	1 X 8 oz
I.C.I. H-7	1 X 8 oz
STSTEXAN PKN	1 X <del>8 oz</del> 1 lb
DIMETHOXYDIPHENYL SULFONE (7407-52)	1 X <del>32 oz</del> 500 gm
" " (7404-82)	1 X <del>32 oz</del> 500 gm
EPOXIDE NO. 7 (SI 1030-77)	1 X 8 oz
" " (SI 1030-82)	1 X 8 oz
E-76122 EXPERIMENTAL CHEMICAL	1 X 6 oz
E-76124 " "	1 X 6 oz
E-76144 " "	1 X 6 oz
STABAXOL .M	1 X 6 oz
TBPAA IN ETCA	1 X 6 oz
TLC SPRAY REAGENT	3 X 8 oz
HEXCEL NEPI	1 X 8 oz
STABAXOL .P	1 X 10 oz
STABAXOL .P	1 X 16 oz
EPOXYLPROPYL PHTHALIMIDE	1 X 8 oz
4-SULFO PHTHALIC ACID	2 X 32 oz
POLY(BUTYL ACRYLATE)	2 X 10 gm
NEPI	1 X 16 oz
HIMIC ANHYDRIDE	1 X 32 oz
PHENYLACETALDEHYDE DIMETHYL ACETAL	2 X 6 oz
MALWALDEHYDE BIS(DIMETHYL ACETAL) 99%	1 X 6 oz
2-PHENYLPROPIONALDEHYDE 90%	1 X 6 oz
SODIUM ALKYLARYSULFONATE	3 X 32 oz
" PYRO PHOSPHATE	10-1 lb.
" ARBORATE	1 lb.

# IRRITANT

#2

LATEX - RESIN 5

3X 32 oz

LATEX - RESIN 3

1X 32 oz

CHEMFLOX - 645

2X 32 oz

ETHER SULFATE SA-597

1X 32 oz

ANTI BGAZE - 19

2X 5 gal CAN:

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. Helmer, Routine Analytical Lab*
2. Local Container I.D. No.: *AR-051*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic Solution: 55% Formic 7% Phenol 3% O-Cresol  
10% Methanol 5% Benzyl 1% Tetrachloroeth  
9% Chloroform 5% Acetone 5% dissolved Nylon and Polyester polymers
6. Type of Packaging: *60-drum (55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*Wear rubber gloves and face protection.*

*H. R. Helmer*

Originator's Signature

*12-07-78*

Date

*DEC 07 1978 d.l.h.*

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *12/11/78* (Safety Engineer)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *12/11/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*P. N. Schum*

Services

*12/11/78*

Date

*P. N. Schum*  
Safety Engineer

*12/11/78*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. L. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *AR-050*
3. Material to be Transported:  
(Proper Shipping Name) *Chromic Acid Solution*
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Inorganic Solution*
6. Type of Packaging: *"G-D" 5 gallons*
7. Potential Hazards and Recommended Procedures:

*Strong Corrosive Solution*

*Use: rubber gloves and  
safety glasses*

*H. L. Helmer*

Originator's Signature

*12-02-78*

Date

DEC 06 1978 H.L.H.

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *12/11* (Safety Engineer) *[Signature]*
2. Gross Weight: *50 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *12/11/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. H. [Signature]*

Services

*12/11/78*

Date

*[Signature]*  
Safety Engineer

*12/11/78*  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

- 1. Originator/Department: *H.L. Clary - W.P. Lipscomb EHT-T#I*
- 2. Local Container I.D. No.: *EHT-T#I #19*
- 3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
- 4. Hazard Class: *Non-Hazardous*
- 5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion*  
*Slight Traces <0.5% Basic salts, pH about 10 on*  
*paper*
- 6. Type of Packaging: *Steel drum*
- 7. Potential Hazards and Recommended Procedures: *material adheres to*  
*drums, do not reuse drums*

*Harry L. Clary*  
Originator's Signature  
*12-4-78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- Date Inspected by Safety: *12/5/78* (Safety Engineer)
- Gross Weight: *450 #* (Services)
- Date Taken to Storage Shed: (if applicable) (Services)
- Final Destination: (Services)
- Shipper's Business Name: (Services)
- Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.N. [Signature]*  
Services  
*12/5/78*  
Safety Engineer



FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: Steve Clark - Polymer Research Services
2. Local Container I.D. No.: PR-314
3. Material to be Transported: WASTE CHEMICALS (MISC.)  
(Proper Shipping Name)
4. Hazard Class: IRRITANT
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC NATURE (MISC.)
6. Type of Packaging: MAILING TUBES INSIDE D.O.T. SPEC. 55 GAL. DRUM.
7. Potential Hazards and Recommended Procedures:  
DO NOT EXPOSE TO FIRE OR EXCESSIVE HEAT.

Stephen Clark  
Originator's Signature  
11-27-78  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 11/29 AM (Safety Engineer)
2. Gross Weight: 200 # (Services)
3. Date Taken to Storage Shed: (if applicable) 11/30/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R.N. [Signature]  
Services  
11/30/78  
Date

A.M. [Signature]  
Safety Engineer  
11/29/78  
Date

EPOXIDE 8	320g
SMA RESIN 1000 A	3 X 1 LB.
" " 2000 A	3 X 1 LB.
" " 3000 A	2 X 1 LB.
POLY(VINYL ACETATE)	500 g
" ( " BUTYRAL)	250 g
MONOBUTYL PHTHALATE	250 g
STANNIC CHLORIDE	500 gm
SODIUM PYROPHOSPHATE	1 LB.
" SULFITE	2 X 1 LB.
4,4'-SULFONYLDIPHENOL	100 g
SODIUM PHENOXIDE	5 X 100 gm
MONO-LITHIUM SALT-5-SULFOPTHALIC ACID	320g
Secco POLYSTAT	160g
SODIUM PHOSPHATE	1 LB.
POLY(CAPROCACTONE) DIOL	250 g
PHTHALIMIDE POTASSIUM SALT	100 gm
2,3-NAPHTHALENEDICARBOXYLIC ACID	100 g
4,4'-SULFONYLDIPHENOL	1 X 25 gm
PHENYLBUTARIC ACID	3 X 25 gm
" " "	5 X 5 gm
N-(2,3-EPOXY PROPYL)PHTHALIMIDE	1 X 25 gm
Pyridine (WASTE)	1 X 30 ml
ORTHOFORMATE	1 X 40g
PENTABROMOETHYL BENZENE	1 X 80g
1-NAPHTHYL PHENYL KETONE	1 X 10 gm
DL- $\alpha$ -PHENYLGLYCINE 95%	1 X 80g

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: Steve Clark - Polymer Research Serv.
2. Local Container I.D. No.: PR-312
3. Material to be Transported: Misc. WASTE CHEMICALS  
(Proper Shipping Name)
4. Hazard Class: IRRITANT
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC SOLIDS
6. Type of Packaging: MAILING TUBES INSIDE D.O.T. SPEC. 55 GAL. DRUM
7. Potential Hazards and Recommended Procedures:  
DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT.  
DO NOT EXPOSE SKIN TO CHEMICALS.  
Steve Clark  
Originator's Signature  
11/15/78  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 11/17 (Safety Engineer) J.M.
2. Gross Weight: 200 # (Services)
3. Date Taken to Storage Shed: (if applicable) 11/20/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R.N. [Signature]

Services

11/20/78

[Signature]  
Safety Engineer

11/17

Date

LOHAX	22 X 32 OZ.
DIMETHYL FORMAMIDE	4 X 32 OZ.
SANTICIZER 14H	5 X 32 OZ.
POLYVIS 06-SH	4 X 32 OZ.
POLYVIS 09-SH	3 X 32 OZ.
UCON LUBRICANT-1B385	5 X 32 OZ.
FLEXOL PLASTICIZER - TDF	5 X 32 OZ.
SODIUM PHOSPHATE (MONOBASIC)	3 X 32 OZ.
MAGNESIUM OXIDE	2 X 32 OZ.
SODIUM PHOSPHATE (TRIBASIC)	3 X 32 OZ.
STANNOUS OCTOATE	3 X 100 gr

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: Steve Clark - Polymer Research Serv.
2. Local Container I.D. No.: PR-313
3. Material to be Transported: Misc. Waste Chemicals  
(Proper Shipping Name)
4. Hazard Class: Poison "B"
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC Solids
6. Type of Packaging: MAILING TUBES inside D.O.T. SPEC. 55 GAL DREM.
7. Potential Hazards and Recommended Procedures:  
DO NOT EXPOSE TO FLAME OR EXCESSIVE HEAT.

Steve Clark  
Originator's Signature  
11/15/78  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 11/17 (Safety Engineer [Signature])
2. Gross Weight: 200 # (Services)
3. Date Taken to Storage Shed: (if applicable) 11/20/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R.N. [Signature]  
Services  
11/20/78

[Signature]  
Safety Engineer  
11/17  
Date

L-2JOHNSON-12

11/15/8

2,3-EPOXYPROPYL p-METHOXYPHENYL ETHER	100g
1,4-DIAMINO ANTHRAQUINONE	100g
HYDROQUINONESULFONIC ACID, POTASSIUM SALT	100g
3,5-DIHYDROXY BENZAMIDE	50g
ANTIMONY (III) ACETATE	2x 100g
HYDANTOIN	100g
1,4-DICHLOROBENZENE	100g
2-BENZYL CARBOXYLIC ACID	50g
" "	50g
1,4-DIAMINO ANTHRAQUINONE	100g
4,5-DIHYDROXYNAPHTHALENE-2,7-DISULFONIC ACID	
disodium salt dihydrate	100g
3,4-DIMETHOXYBENZOIC ACID	100g
BARIUM NITRITE	200g
HYDROQUINONESULFONIC ACID, POTASSIUM SALT	100g
(DECA BROMO BIPHENYL ETHER	50g
DIBENZOYLETHYLENE	25g
BISMUTH CHLORIDE	40g
COBALT CHLORIDE (ANHYDROUS)	100g
DIBENZOYLMETHANE	25g
COBALTIC HEXAMINE CHLORIDE	25g
BISMUTH METAL	113g
COBALTIC HEXAMINE CHLORIDE	25g
$\alpha$ -(CHLOROMETHYL)-2,4-DICHLOROBENZYL ALCOHOL	25g
2,6-DIMETHYL-BENZOQUINONE	4x1g
DIPHENYL TEREPHTHALATE	20g
CELLULOSE, CYANOETHYLATED	50g

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - W.R. Lipscomb EMT-T&I*
2. Local Container I.D. No.: *EMT-T&I #18*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion  
Slight Traces < 0.5% ~~Basic~~ Basic salts, pH about 10 on  
lower*
6. Type of Packaging: *Steel drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to  
drums, do not reuse drums*

*Harry L. Clary*  
\_\_\_\_\_  
Originator's Signature  
*11-8-78*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *11/9/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.W. [Signature]*  
\_\_\_\_\_  
Services  
*11/9/78*

\_\_\_\_\_  
Safety Engineer

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. L. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *AR-050*
3. Material to be Transported:  
(Proper Shipping Name) *Chromic Acid Solution*
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)

*Inorganic Solution*

6. Type of Packaging: *"C-D" 5 gallons*
7. Potential Hazards and Recommended Procedures:

*Strong Corrosive Solution*

*Use: rubber gloves and  
safety glasses*

*H. Helmer*

NOV - 6 1971 H.L.H.  
Originator's Signature

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *11/9/71* (Safety Engineer)
2. Gross Weight: *40#* (Services)
3. Date Taken to Storage Shed: (if applicable) *11/9/71* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Helmer*

Services

*11/9/71*

Date

*A. H. Helmer*

Safety Engineer

*11/8/71*

Date





Chemical:

HAZARDOUS AND NON-HAZARDOUS MATERIAL MANIFEST DATA  
ALLIED CHEMICAL-TECHNICAL CENTER

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: MAINT.
2. Local Container I.D. No.: A1-14
3. Material to be Transported: WASTE OIL  
(Proper Shipping Name)
4. Hazard Class: NON HAZARDOUS
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)
6. Type of Packaging: 55 GAL DRUM
7. Potential Hazards and Recommended Procedures:

*Paul Benson*  
Originator's Signature  
11/2/76 Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: 450 # \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) 11/2/76 \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*P.C.H. John*  
Services  
11/2/76  
Date

\_\_\_\_\_  
Safety Engineer  
\_\_\_\_\_  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

### TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: STEVE CLARK POLYMER RESEARCH SERVICES
2. Local Container I.D. No.: PR-310
3. Material to be Transported: MISC. LABORATORY CHEMICALS (WASTE)  
(Proper Shipping Name)
4. Hazard Class: IRRITANT GROUP C
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC CHEMICALS
6. Type of Packaging: MAILING TUBES IN 55 GAL. D.O.T. SPECK. DRUM
7. Potential Hazards and Recommended Procedures:  
DONOT GET ON SKIN, EYES OR BREATH. ATTACKS  
MUCOUS MEMBRANES ON BODY  
Stephen Clark  
Originator's Signature  
11/1/78  
Date

### TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 11/1 (Safety Engineer) [Signature]
2. Gross Weight: 300 # (Services)
3. Date Taken to Storage Shed: (if applicable) 11/2/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R.N. John

Services

11/2/78

Date

[Signature]  
Safety Engineer

11/1

Date

CALCIUM OXIDE	5X1LB.
" HYDROXIDE	2X1LB
" CHLORIDE	1LB
FERRIC CHLORIDE	1CB
n-BUTYL PHTHALATE	2X1PT.
3,5-DINITROBENZOYL CHLORIDE	100g
2-BUTANONE OXIME	100g
p-BROMOPHENOL	100g
DICYCLOHEXYLAMINE	100g
DODECYL ALDEHYDE	100g
BENZENE SULFONYL CHLORIDE	250g
ARALDITE RD-4	1PT.
LITHIUM (SOLU'S)	2X50g
2-(DIISOPROPYL AMINO)-ETHANOL	250g
COLLIDINE	500g
1-DODECANOL	500g
DIETHYL MALONATE	500g
DIETHANOLAMINE	1KG
SODIUM DICHROMATE	3X32g
DIOCTYL PHTHALATE	500g
DODECYLAMINE	500g
DIMETHYLOL ETHYLENE UREA	500g
WASTE VACUUM OIL (CONTAMINATED)	2X32oz
p-CHLOROPHTENOL	1PT.
ICON LUBRICANT LB-165	32oz
" " LB-135	32oz
" " LB-255	32oz
ADOLINE	2X25CBS.

p-Phenylethylenediamine	2X 500g
MALEIC ACID	500g
PHTHALIC ANHYDRIDE	2X 1 LB.
2, PYRROLIDINONE	1 Kg
MALEIC ACID	500g
MALEIC ACID	2X 1 LB.
MAGNESIUM SULFATE	4X 1 LB.
METHANAMINE	1 LB
1-OCTADECYL ISOCYANATE	100g
POTASSIUM CHLORIDE SOLUTION	4 g
2-METHYL RESORCINOL	100g
OLEYLAMINE	100g
CYCLOHEXYLAMINE ACETATE	100g

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: Steve Clark - Polymer Research Services
2. Local Container I.D. No.: PR-309
3. Material to be Transported: FLAMMABLE MATERIALS (MISC)  
(Proper Shipping Name) WASTE CHEMICALS - LABORATORY
4. Hazard Class: FLAMMABLE GROUP D
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC CHEMICALS
6. Type of Packaging: MAILING TUBES IN 55 GAL. DOT DRUM.
7. Potential Hazards and Recommended Procedures:  
KEEP AWAY FROM SPARKS, OPEN FLAME.

Stephen H. Clark  
Originator's Signature  
11-1-78  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 11/1 (Safety Engineer) AND
2. Gross Weight: 500 # (Services)
3. Date Taken to Storage Shed: (if applicable) 11/2/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R. N. [Signature]  
Services  
11/2/78

[Signature]  
Safety Engineer  
11/1 Date

DRUM 2

N-METHYLMORPHOLINE	2X16oz
METHYLENE CHLORIDE	8X16oz
ACRYLONITRILE	3X16oz
1,4-Dioxane	16oz
n-BUTYL ETHER	3X16oz
BUTANOL	3X16oz
2-CHLORO ETHANOL	2X16oz
CYCLOHEXYLAMINE	2X16oz
HEXANE + POLYBUTENE + TiO <sub>2</sub> + WATER	3X16oz
ANTIMONY PENTOXIDE + POLYBUTENE	2X16oz
ACETONITRILE	14X16oz
2-Chloroethyl Ether	15g
N,N-Dimethylformamide dicyclohexyl acetal	10g
Diethyl phosphonoacetaldehyde diethyl acetal	25g
Dragendorff's Reagent	50ml
Diethyl Phenyl Orthoformate	50g
p-Chlorophenethyl alcohol	2x50g
OCTANE	4X16oz
2-PROPANOL	13X16oz
Phenyl Glycidyl Ether	16oz
2,4-Pentanedione	2X16oz
Clemoxaze (POLYURETHANE COATING)	8g
1,5-Pentanediol	250g
4-METHYL-2-PENTANOL	100g

Chemical

HAZARDOUS AND NON-HAZARDOUS MATERIAL MANIFEST DATA  
ALLIED CHEMICAL-TECHNICAL CENTER

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *STEVE CLARK POLYMER RESEARCH SERVICES*
2. Local Container I.D. No.: *PR-311*
3. Material to be Transported: *WASTE CHEMICALS (LABORATORY)*  
(Proper Shipping Name)
4. Hazard Class: *NON/HAZARDOUS*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*ORGANIC CHEMICALS*
6. Type of Packaging: *MAILING TUBES IN 55 GAL. D.O.T. SPEC. DRUM*
7. Potential Hazards and Recommended Procedures:  
*NONE*

*Stephen H. Clark*  
Originator's Signature  
*11-1-8*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *11/2* (Safety Engineer) *dad*
2. Gross Weight: *300 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *11/2/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*  
Services  
*11/2/78*  
Date

*[Signature]*  
Safety Engineer  
*11/1*  
Date

CALCIUM SULFATE	4 X 1 CB
NIAL POLYOL	1 gal
IRGAKOX 1093	100 g
" 1098	100 g
" 259	100 g
CARBOWAX 1010	16 oz
ALUMINIA HYDRATE	301 g
Nyloph 6/10	501 g
" 12	500 g
OCeYL ALCOHOL	2 X 16 oz
VERSA TL-71	1 gal
CALCIUM ACETATE	1 CB.
NATIONAL STARCH 2793-132	1 PT.
" " 2702-49	1 PT
" " 270-24-1	1 PT
" " 2519-36-3	1 PT
" " 2702-24-2	1 PT
VERSA-TL-71	1 PT
73-1	1 PT
73-4	1 PT
73-3	1 PT
73-2	1 PT
LYTRON 810	1 PT.
FERRIC AMMONIUM SULFATE	3 X 1 LB.
LITHIUM CHLORIDE	1 CB.
GLUCOSIC ACID, SODIUM SALT	500 g
BENZAMIDE	250 g



L-(+)-LYSINE	100g
O-HYDROXYBENZAMIDE	1 Kg.
1,12-DODECANEDIOL	100g
DIPHENYL CARBONATE	100g
<del>COPPER POWDER</del>	<del>50g</del>
FD&C BLUE #2 O/e	20g
" " #1	20g
" Red #2	20g
IRGANOX 1076	100g
DISPERSED SULFUR	200g
POLYCAPROLACTONE	250g
IRGASTAB 2002	100g
IRGANOX 1076	100g
" 1098	100g
" 1035	100g
ERIONAL NW	200g
" "	200g
CARBOWAX 1000	2x16oz
PTHALO GREEN	1/2 LB.
" BLUE	1/2 LB.
ACTIVATED CHARCOAL	7x1LB.
ERIONAL NW (Ligand)	4oz
MANGANESE CHLORIDE	500g
SODIUM LAURYL PHOSPHATE	3x1LB
SANDIN AL	4oz
INDOPOL H-100	2 CBS
" H-300	1 gal

POLYBUTENE  
INDOPOL H-1500  
POLYBUTENE 24  
" 32  
" 18  
" 122  
" 24  
POLYBD R45HT  
" CS-15  
TETRONIC 704

103 & 3  
1 gal  
1 gal  
1 gal  
1 gal  
1 gal  
1 gal  
1 gal  
1 gal  
1 gal

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - W.P. Lipscomb EMT-T#I*
2. Local Container I.D. No.: *EMT-T#I #21*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion*  
*Slight Traces < 0.5% Basic salts, pH about 10 on*  
*lower*
6. Type of Packaging: *Steel drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to*  
*drums, do not reuse drums*

*H.L. Clary*  
Originator's Signature: \_\_\_\_\_  
1-29-79  
Date: \_\_\_\_\_

BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

Date Inspected by Safety:	(Safety Engineer)
Gross Weight: <i>450 #</i>	(Services)
Date Taken to Storage Shed: (if applicable) <i>1/3/79</i>	(Services)
Final Destination:	(Services)
Shipper's Business Name:	(Services)
Date Shipped:	(Services)

is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.N. Allen*  
Services  
*1/3/79*

\_\_\_\_\_  
Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *MAINT.*
2. Local Container I.D. No.: *A-15*
3. Material to be Transported: *WASTE OIL*  
(Proper Shipping Name)
4. Hazard Class: *NON HAZARDOUS*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)
6. Type of Packaging: *55 GAL DRUM*
7. Potential Hazards and Recommended Procedures:

*Carl Beatty*

Originator's Signature

*1/16/79*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: (Safety Engineer)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *1/17/79* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Allen*

Services

*1/17/79*

Date

Safety Engineer

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - W.R. Lipscomb EUT-T&I*
2. Local Container I.D. No.: *EUT-T&I #17*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion*  
*Slight Traces < 0.5% Basic salts, pH about 10 on*  
*paper*
6. Type of Packaging: *Steel drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to*  
*drums, Do not reuse drums*

*Harry R. Clary*  
\_\_\_\_\_  
Originator's Signature

*10-25-78*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- |   |                   |
|---|-------------------|
| Date Inspected by Safety:                                   | (Safety Engineer) |
| Gross Weight: <i>450 #</i>                                  | (Services)        |
| Date Taken to Storage Shed: (if applicable) <i>10/25/78</i> | (Services)        |
| Final Destination:  | (Services)        |
| Shipper's Business Name:                                    | (Services)        |
| Date Shipped:   | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.N. [Signature]*  
\_\_\_\_\_  
Services

*11/25/78*

\_\_\_\_\_  
Safety Engineer

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Helmer, Routine Analytical Lab.*

2. Local Container I.D. No.: *AR - 047*

3. Material to be Transported:  
(Proper Shipping Name) *Solvent, N.O.S.*

4. Hazard Class: *Flammable Liquid*

5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic: *42% Methanol* *16% Acetone* *Traces of: Chloroform,*  
*16% Cyclohexanol* *2% Phenol* *Lactam,*  
*16% Hexane* *2% Toluene* *Ammonium-*  
*Sulfate,*  
*Water,*

6. Type of Packaging:

*"17E" 55 gallons Drum*

7. Potential Hazards and Recommended Procedures:

*Fire-hazard: keep clear of open flames  
and heated areas.*

*H.L. Helmer*  
Originator's Signature

*OCT 18 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety:

*10/23*

(Safety Engineer) *[Signature]*

2. Gross Weight: *450 #*

(Services)

3. Date Taken to Storage Shed: (if applicable) *11/3/78*

(Services)

4. Final Destination:

(Services)

5. Shipper's Business Name:

(Services)

6. Date Shipped:

(Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.N. [Signature]*

Services

*11/3/78*

Date

*[Signature]*  
Safety Engineer

*10/23*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - W.P. Lipscomb EUT-T&I*
2. Local Container I.D. No.: *EUT-T&I #16*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion  
Slight Traces < 0.5% ~~Basic~~ Basic salts, pH about 10 on  
lower*
6. Type of Packaging: *Steel Drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to  
drums, do not reuse drums*

*Harry L. Clary*  
\_\_\_\_\_  
Originator's Signature  
*10-16-78*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- |   |                   |
|---|-------------------|
| Date Inspected by Safety:                                   | (Safety Engineer) |
| Gross Weight: <i>450 #</i>                                  | (Services)        |
| Date Taken to Storage Shed: (if applicable) <i>10/17/78</i> | (Services)        |
| Final Destination:  | (Services)        |
| Shipper's Business Name:                                    | (Services)        |
| Date Shipped:   | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. J. Selman*  
\_\_\_\_\_  
Services  
*10/17/78*

\_\_\_\_\_  
Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: Steve Clark - Polymer Research Serv.
2. Local Container I.D. No.: PR-309
3. Material to be Transported: MISC. LABORATORY CHEMICALS  
(Proper Shipping Name)
4. Hazard Class: MISC. FLAMMABLE LIQUID
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ALL ORGANIC CHEMICALS
6. Type of Packaging: HAILING TUBE CONTAINERS / 55 GAL DOT SPEC. DRUM
7. Potential Hazards and Recommended Procedures:  
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

Steve Clark 10/4/78  
Originator's Signature

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 10/4/78 (Safety Engineer) [Signature]
2. Gross Weight: 300 # (Services)
3. Date Taken to Storage Shed: (if applicable) 10/5/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R. W. [Signature]  
Services  
10/5/78  
Date

[Signature]  
Safety Engineer  
10/4/78  
Date



CARBON TETRACHLORIDE / CHLOROFORM	2 x 1 PT.
ACETONITRILE / ISO PRO PANOL	2 x 1 PT.
CYCLO HEXANE / CARBON TETRACHLORIDE	2 x 1 PT.
ETHYLENE DICHLORIDE / ETHYL ACETATE	2 x 1 PT.
ACETONITRILE / METHANOL	2 x 1 PT.
CHLOROFORM / ETHYLENE DICHLORIDE	1 PT.
" / CARBON TETRACHLORIDE	1 PT.
CYCLO HEXANE / " "	1 PT.
ETHYL ACETATE / ACETONITRILE	1 PT.
METHANOL	1 PT.
CARBON TETRACHLORIDE / METHYLENE CHLORIDE	1 PT.
PENTANE	1 PT.
ACETONITRILE / ISO PRO PANOL	1 PT.
ETHYL ACETATE / "	1 PT.
ETHYL ACETOACETATE	4 x 1 PT.
ETHYL MALONATE	1 PT.
ETHER (PET)	6 x 1 PT.
m - CYCLO HEXYL PIPERDINE	
CP 515-2 (50%) (CHLORINATED POLYOLEFINS)	
CYCLO HEXANE CARBOXYLIC ACID	100 g
ISO PRO PANOL	80 g
DIHYDRO PYRAN	100 gm
INDENE OXIDE	100 g
1,3-DICHLORO-2-BUTENE	100 g
N,N'-DIISO PROPYL CARBODIIMIDE	100 g
ACRYLONITRILE	320 g
2,2,3,3-TETRAFLUORO-1-PRO PANOL	4 x 10 g

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B.W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum #FS-24*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*75-100% Organic finish ingredient*
6. Type of Packaging: *Open Top Steel Drum*
7. Potential Hazards and Recommended Procedures:

*None*  
*B.W. Schrum*  
\_\_\_\_\_  
Originator's Signature  
*October 4, 1978*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 H* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *10/15/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.N. Schrum*  
\_\_\_\_\_  
Services  
*10/5/78*  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Safety Engineer  
\_\_\_\_\_  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
  2. Local Container I.D. No.: *28-27*
  3. Material to be Transported:  
(Proper Shipping Name) *Containing Triethanolamine*
  4. Hazard Class: *Corrosive liquids 805 (2% sodium hydroxide solution)*
  5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Triethanolamine 98% organic*  
*Sodium Hydroxide 2% - inorganic*
  6. Type of Packaging: *55 gal steel lined drums*  
*spec 173.24.9 spec 59.3 cor m - metal drums*
  7. Potential Hazards and Recommended Procedures: *metal drums single top 2.3" opening*  
*Hazards to skin and corrosive. use skin protection and label with Corrosive symbol.*
- W. S. Pittman*  
Originator's Signature  
*10/14/78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/17/78* (Safety Engineer) *[Signature]*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*  
Services

*Noted deficiencies*  
*Copy of this sheet in packing list*  
*At end drum @ DOT label*  
*[Signature]*  
Safety Engineer  
*10/17/78*

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

### TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
2. Local Container I.D. No.: *78-26*
3. Material to be Transported:  
(Proper Shipping Name) *Containing Triethanolamine*
4. Hazard Class: *Corrosive liquids 1105 (2% sodium hydroxide solution)*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Triethanolamine 98% organic  
Sodium Hydroxide 2% inorganic*
6. Type of Packaging: *55 gal steel lined drums  
spec 173.249 spec 59.3 cur m - metal drums*
7. Potential Hazards and Recommended Procedures: *metal drums single top.  
2.5" opening  
Hazard to skin and corrosive. use skin  
protection and label with  
corrosive symbol.*

*W. S. Pittman*  
Originator's Signature  
*10/14/78*  
Date

### TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/17/78* (Safety Engineer) *[Signature]*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*  
Services  
*With deficiency*  
*Copy of this sheet in perkins list*  
*Copy of chem @ DOT label*  
*[Signature]*  
Safety Engineer  
*10/17/78*

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

### TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
  2. Local Container I.D. No.: *78-25*
  3. Material to be Transported: (Proper Shipping Name) *Containing Triethanolamine*
  4. Hazard Class: *Corrosive Liquid 1105 (2% sodium hydroxide solution)*
  5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Triethanolamine 98% organic  
Sodium Hydroxide 2% inorganic*
  6. Type of Packaging: *55 gal steel lined drums*  
*spec 173.24.9 spec 5A, B, C, D, E, F - metal drums*
  7. Potential Hazards and Recommended Procedures: *metal drums single top. 2.3" opening*  
*Hazards to skin and corrosive. use skin protection and label with corrosive symbol.*
- W. S. Pittman*  
Originator's Signature  
*10/14/78*  
Date

### TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/17/78* (Safety Engineer) *P. H. Williams*
2. Gross Weight: *750 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*P. H. Williams*  
Services

*Copy of big hiting 10/17/78*  
*Top of drum @ DOT label*  
*10/17/78*  
Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

### TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
2. Local Container I.D. No.: *78-24*
3. Material to be Transported:  
(Proper Shipping Name) *Containing Triethanolamine*
4. Hazard Class: *Corrosive Liquids 165 (2% sodium hydroxide solution)*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid)  
*Triethanolamine 98% organic  
Sodium Hydroxide 2% inorganic*
6. Type of Packaging: *55 gal steel lined drums  
spec 173.249 spec 5A, B, C, D, E, F - metal drums*
7. Potential Hazards and Recommended Procedures: *metal drums single top.  
2.3" opening  
Hazards to skin and corrosive. use skin protection and label with Corrosive Symbol.*

*W. S. Pittman*  
Originator's Signature  
*10/14/78*  
Date

### TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/12/78* (Safety Engineer *[Signature]*)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*  
Services

*Copy of this manifest to be kept at Dept of [Signature]*  
Safety Engineer  
*10/12/78*

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-23*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finishing ingredient*
6. Type of Packaging: *Open Top Steel Drum*
7. Potential Hazards and Recommended Procedures:  
*None*

*B. W. Schrum*

*October 4, 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: (Safety Engineer)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/5/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Schrum*

Services

*10/5/78*

Date

Safety Engineer

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: Steve Clark Polymer Res. Serv.
2. Local Container I.D. No.: 1-PR-308A  
1-PR-308B
3. Material to be Transported:  
(Proper Shipping Name) ETHYLENE GLYCOL (WASTE)
4. Hazard Class: none
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC
6. Type of Packaging: 55 GAL. DOT SPEC. DRUM
7. Potential Hazards and Recommended Procedures:  
KEEP AWAY FROM OPEN FLAME

Steve Clark

Originator's Signature

10-4-78

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: 450 # each \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) 10/5/78 \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R. N. [Signature]

Services

10/5/78

Date

\_\_\_\_\_  
Safety Engineer

\_\_\_\_\_  
Date



FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. L. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *AR-046*
3. Material to be Transported:  
(Proper Shipping Name) *Chromic Acid Solution*
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Inorganic Solution*
6. Type of Packaging: *"G-D" 5 gallons*
7. Potential Hazards and Recommended Procedures:

*Strong Corrosive Solution*

*Use: rubber gloves and  
Safety glasses*

*H. L. Helmer*

Originator's Signature

001-3197 H.L.H.

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/4/78* (Safety Engineer) *M. L. Helmer*
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

Services

Date

*M. L. Helmer*  
Safety Engineer

*10/4/78*  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: J.A. HARRISON / MAINT.
2. Local Container I.D. No.: A-1-12
3. Material to be Transported:  
(Proper Shipping Name) PETROLEUM OIL, N.D.S
4. Hazard Class: COMBUSTIBLE LIQUID (NO LABEL REQ'D)
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
ORGANIC WASTE PETROLEUM OIL
6. Type of Packaging: 55 GAL DRUM
7. Potential Hazards and Recommended Procedures:

J.A. Harrison  
Originator's Signature

10/2/78  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: 450 # \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) 10/2/78 \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R.N. [Signature]

Services

10/2/78

Safety Engineer

Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B.W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum #FS-22*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finishing ingredient*
6. Type of Packaging: *Open Top Steel Drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B.W. Schrum*  
\_\_\_\_\_  
Originator's Signature  
*October 2, 1978*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *10/2/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*P.N. Schrum*  
\_\_\_\_\_  
Services  
*10/2/78*  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Safety Engineer  
\_\_\_\_\_  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Steve Clark  
Polymer Research Service*
2. Local Container I.D. No.: *PR-307*
3. Material to be Transported:  
(Proper Shipping Name) *misc. laboratory chemicals*
4. Hazard Class: *flammable*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*organic chemicals (misc)*
6. Type of Packaging: *mailing tube containers*
7. Potential Hazards and Recommended Procedures:  
*Keep away from heat, flame, sparks.*  
*Stephen Clark*  
Originator's Signature  
*9/28/78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *9/29/78* *DET equibungen Top 4*  
*side reg'd*  
(Safety Engineer) *[Signature]*
2. Gross Weight: *400 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/2/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. [Signature]*

Services

*9/29/78*

Date

*[Signature]*  
Safety Engineer

*9/29/78*

Date

# FLAMMABLE CONTENTS

1 PT.

1,4-Dioxane

1 PT.

" "

3x32oz.

Acetonitrile

500 gm.

Heptane

1 Kg.

Hexachloroacetone

2x32oz.

Hexyl Alcohol

10x500 gm.

Glycidyl Methacrylate

8-32oz.

Waste Methanol

27-32oz.

Acetonitrile

32oz.

Allyl isothiocyanate + Acetone

8 oz.

Waste Methanol

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
2. Local Container I.D. No.: *78-23*
3. Material to be Transported:  
(Proper Shipping Name) *Containing Triethanolamine*
4. Hazard Class: *Corrosive liquids NOS (2% Sodium Hydroxide solution)*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Triethanolamine 98% - organic*  
*Sodium Hydroxide 2% - inorganic*
6. Type of Packaging: *55 gal steel lined drums*  
*Spec 173.249 spec 5A, B, C or M - metal drums*
7. Potential Hazards and Recommended Procedures: *metal drums single trip*  
*2.3 "extremely hazardous to skin and corrosive. use skin protection and label with corrosive symbol."*  

*W. S. Pittman*  
Originator's Signature  
*9/5/78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/17/78* (Safety Engineer) *W. H. Johnson*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT. *Note differences*

*R. H. [Signature]*  
Services

*None of this list in packing list*  
*0 to add drum @ DOT label*  
*W. H. Johnson*  
Safety Engineer  
*10/17/78*

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
  2. Local Container I.D. No.: *78-22*
  3. Material to be Transported:  
(Proper Shipping Name) *Containing Triethanolamine*
  4. Hazard Class: *Corrosive liquids NOS (2% Sodium Hydroxide solution)*
  5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Triethanolamine 98% - organic*  
*Sodium Hydroxide 2% - inorganic*
  6. Type of Packaging: *55 gal steel lined drums*  
*Spec 173.249 spec 5A, B, C or D - metal drums*
  7. Potential Hazards and Recommended Procedures: *metal drums single trip*  
*2.3 "offensive"*  
*Hazards to skin and Corrosive. use skin*  
*protection and label with*  
*Corrosive symbol.*
- W. S. Pittman*  
 Originator's Signature  
*9/25/78*  
 Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/12/78* (Safety Engineer) *M. J. Blanton*
2. Gross Weight: *456 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Sl.*  
Services

*Note: Copy of this sheet to be kept in file.*  
*W. S. Pittman*  
*W. S. Pittman*

*M. J. Blanton*  
Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
2. Local Container I.D. No.: *78-21*
3. Material to be Transported: (Proper Shipping Name) *Containing Triethanolamine*
4. Hazard Class: *Corrosive liquids 1105 (2% Sodium Hydroxide solution)*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid)  
*Triethanolamine 98% - organic*  
*Sodium Hydroxide 2% - inorganic*
6. Type of Packaging: *55 gal steel lined drums*  
*Spec 173-249 spec 5 A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ*
7. Potential Hazards and Recommended Procedures: *Hazards to skin and Corrosive. use skin protection and label with Corrosive symbol.*  
*2.3" opening*  
*metal drums single trip*  
*metal drums*

Originator's Signature

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/12/78* (Safety Engineer) *M. L. H. H.*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

\* This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*VRH*

*W. S. Pittman*  
*at this time into packing*  
*DOT label*

*M. L. H. H.*  
Safety Engineer



FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *W. S. Pittman - Pilot Plant*
2. Local Container I.D. No.: *78-20*
3. Material to be Transported: (Proper Shipping Name) *Containing Triethanolamine*
4. Hazard Class: *Corrosive liquids 1105 (2% Sodium Hydroxide solution)*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Triethanolamine 98% - organic*  
*Sodium Hydroxide 2% - inorganic*
6. Type of Packaging: *55 gal steel lined drums*  
*Spec 173.249 spec 5A, B, C or M - metal drums*
7. Potential Hazards and Recommended Procedures: *17 C.E.C. - metal drums single trip*  
*2.3" opening*  
*Hazard to skin and Corrosive. Use skin protection and label with Corrosive symbol.*  
*W. S. Pittman*  
Originator's Signature  
*9/25/78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *10/12/78* (Safety Engineer) *J. H. Hower*
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *10/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

Note: *Copy of this sheet to be in packing list*  
*(F) To be in packing list*  
*2. Numbered*  
*R. N. Hower*  
Services  
*J. H. Hower*  
Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - M.P. Lipscomb EHT-T&I*
2. Local Container I.D. No.: *EHT-T&I #15*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion*  
*Slight Traces <0.5% Basic salts, pH about 10 or lower*
6. Type of Packaging: *Steel drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to drums, do not reuse drums*

*H.L. Clary*  
Originator's Signature

*9-14-78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- |   |                   |
|---|-------------------|
| 1. Date Inspected by Safety:                                  | (Safety Engineer) |
| 2. Gross Weight: <i>450 #</i>                                 | (Services)        |
| 3. Date Taken to Storage Shed: (if applicable) <i>7/15/78</i> | (Services)        |
| 4. Final Destination:   | (Services)        |
| 5. Shipper's Business Name:                                   | (Services)        |
| 6. Date Shipped:  | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. W. [Signature]*  
Services  
*7/15*

Safety Engineer

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. L. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *AR - 045*
3. Material to be Transported:  
(Proper Shipping Name) *Chromic Acid Solution*
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Inorganic Solution*
6. Type of Packaging: *"G-D" 5 gallons*
7. Potential Hazards and Recommended Procedures:

*Strong Corrosive Solution*

*Use: rubber gloves and  
Safety glasses*

*H. L. Helmer*

Originator's Signature

*Sept. 13, 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *9/14* *AD* (Safety Engineer)
2. Gross Weight: *50 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *9/20/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Helmer*

Services

*9/20/78*

Date

*A. F. Helmer*

Safety Engineer

*9/14/78*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *AR-044*
3. Material to be Transported:  
(Proper Shipping Name) *Solvent, N.O.S.*
4. Hazard Class: *Flammable liquid*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Organic: 56% Methanol 2.5% Cyclohexanol*  
*22% Cyclohexanone 1.5% Chloroform*
6. Type of Packaging: *17% Phenol*  
*"17E" 55 gallons Drum*  
*Traces of: Acetone, Carbon-Tetrachloride, Petroluem Ether and water*
7. Potential Hazards and Recommended Procedures:

*Fire-hazard: keep clear of open flames and/or heated areas.*

*H.L. Helmer*  
Originator's Signature  
*Sept. 12, 1978*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *9/14* (Safety Engineer *[Signature]*)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *9/15/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*[Signature]*  
Services  
*9/15/78*  
Date

*[Signature]*  
Safety Engineer  
*9/14*  
Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil-Drum #FS-21*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finish ingredient*
6. Type of Packaging: *Bung type steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*

Originator's Signature

*Sept. 3 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *45 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Schrum*

Services

*9/12/78*

Date

Safety Engineer

Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-20*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic sol)  
*95-100% Organic finish ingredient*
6. Type of Packaging: *Bung type steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*  
Originator's Signature

*Sept. 7, 1978*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. H. Schrum*  
Services

*9/12/78*  
Date

\_\_\_\_\_  
Safety Engineer

\_\_\_\_\_  
Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-19*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic)  
*95-100% Organic finish ingredient*
6. Type of Packaging: *Bung type steel drum*
7. Potential Hazards and Recommended Procedures:  
*None*

*B. W. Schrum*  
\_\_\_\_\_  
Originator's Signature  
*Sept. 7 1978*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to applicable regulations of the DOT.

*PC N. Schrum*

Services

*9/12/78*

Date

Safety Engineer

Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
  2. Local Container I.D. No.: *Waste Finish Oil-Drum #FS-18*
  3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
  4. Hazard Class: *Non-Hazardous*
  5. Composition & Concentration: (Indicate if material is an organic or inorganic solid)  
*95-100% Organic finish ingredient*
  6. Type of Packaging: *Open top with bung steel drum*
  7. Potential Hazards and Recommended Procedures:  
*None*
- B. W. Schrum*  
\_\_\_\_\_  
Originator's Signature  
*Sept. 7 1978*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- |  |                |                   |
|--|----------------|-------------------|
| 1. Date Inspected by Safety:                   |                | (Safety Engineer) |
| 2. Gross Weight:                               | <i>450 #</i>   | (Services)        |
| 3. Date Taken to Storage Shed: (if applicable) | <i>9/12/78</i> | (Services)        |
| 4. Final Destination:                          |                | (Services)        |
| 5. Shipper's Business Name:                    |                | (Services)        |
| 6. Date Shipped:                               |                | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. H. Schrum*

Services

*9/12/78*

Date

Safety Engineer

Date



TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-17*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid)  
*95-100% Organic finish ingredient*
6. Type of Packaging:  
*Open top / with bung steel drum*
7. Potential Hazards and Recommended Procedures:  
*None*

*B. W. Schrum*  
Originator's Signature

*Sept. 7 1978*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 H* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*OR N. Schrum*  
Services

*9/12/78*

Date

Safety Engineer

Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-16*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finish ingredient*
6. Type of Packaging: *Bung type steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*

Originator's Signature

*Sept. 3 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Schrum*

Services

*7/12/78*

Date

Safety Engineer

Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-15*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finish ingredient*
6. Type of Packaging:  
*Bung type steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*  
\_\_\_\_\_  
Originator's Signature  
*Sept. 7 1978*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *7/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*ORIN*  
\_\_\_\_\_  
Services  
*9/12/78*  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Safety Engineer  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-14*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finish ingredient*
6. Type of Packaging: *Bung type steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*

Originator's Signature

*Sept. 3 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: (Safety Engineer)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. H. [Signature]*

Services

*9/12/78*

Date

Safety Engineer

Date

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil - Drum # FS-13*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finish ingredient*
6. Type of Packaging:  
*Open top steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*  
\_\_\_\_\_  
Originator's Signature  
*Sept. 7 1978*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: \_\_\_\_\_ (Safety Engineer)
2. Gross Weight: *450 #* \_\_\_\_\_ (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* \_\_\_\_\_ (Services)
4. Final Destination: \_\_\_\_\_ (Services)
5. Shipper's Business Name: \_\_\_\_\_ (Services)
6. Date Shipped: \_\_\_\_\_ (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. D. Schrum*

Services

*9/12/78*

Date

Safety Engineer

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *B. W. Schrum - Finish Services*
2. Local Container I.D. No.: *Waste Finish Oil-Drum #FS-12*
3. Material to be Transported:  
(Proper Shipping Name) *Waste Finish Oil*
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*95-100% Organic finish ingredient*
6. Type of Packaging: *Open top steel drum*
7. Potential Hazards and Recommended Procedures:

*None*

*B. W. Schrum*

Originator's Signature

*Sept. 7 1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: (Safety Engineer)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *9/12/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*OPN*

Services

*9/12/78*

Date

Safety Engineer

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. Helmer, Reative Analytical Lab*
2. Local Container I.D. No.: *AR-042*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic Solution: 55% Formic 7% Phenol 3% o-Cresol  
10% Methanol 5% Benzyl 1% Tetrachloroeth  
9% Chloroform 5% Acetone 5% dissolved Nylon and Polyester polymers
6. Type of Packaging: *6D-drum (55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*Wear rubber gloves and face protection.*

*H. Helmer*

Originator's Signature

*9-6-1978*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *9/14/78* (Safety Engineer)
2. Gross Weight: *450 lb* (Services)
3. Date Taken to Storage Shed: (if applicable) *9/20/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. N. Selmer*

Services

*9/20/78*

Date

*J. M. O'Brien*

Safety Engineer

*9/14/78*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

## TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H. Helmer, Routine Analytical Lab*
2. Local Container I.D. No.: *AR-043*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic Solution: *55% Formic*      *7% Phenol*      *3% O-Cresol*  
*10% Methanol*      *5% Benzyl*      *1% Tetrachloroel*  
*9% Chloroform*      *5% Acetone*      *5% dissolved*  
*Nylon and*  
*Polyester*  
*Polymers*
6. Type of Packaging: *6D-drum*  
*(55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*Wear rubber gloves and face protection.*

*H. Helmer*

Originator's Signature

*9-6-78*

Date

## TO BE FILLED OUT BY SAFETY ENGINEER &amp; SERVICES:

1. Date Inspected by Safety: *9/14* (Safety Engineer *[Signature]*)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *9/20/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R. G. [Signature]*

Services

*9/20/78*

Date

*[Signature]*

Safety Engineer

*9/17/78*

Date



Chemical

HAZARDOUS AND NON-HAZARDOUS MATERIAL MANIFEST DATA  
ALLIED CHEMICAL-TECHNICAL CENTER

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.H. Helmer, Routine Analytical Lab.*
  2. Local Container I.D. No.: *"AR-040"*
  3. Material to be Transported:  
(Proper Shipping Name) *Chromic Acid Solution*
  4. Hazard Class: *Corrosive Material*
  5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Inorganic Solution*
  6. Type of Packaging: *6D - drum (55 gallons)*
  7. Potential Hazards and Recommended Procedures:  
*Strong Corrosive Solution*  
*Use: rubber gloves*  
*safety glasses*
- H.H. Helmer*  
\_\_\_\_\_  
Originator's Signature  
*08-23-78*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *8/28* (Safety Engineer) *Q79*
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

\_\_\_\_\_  
Services

\_\_\_\_\_  
Date

*H.H. Helmer*  
\_\_\_\_\_  
Safety Engineer

*8/28*  
\_\_\_\_\_  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *HH Helmer , Routine Analytical Lab*
2. Local Container I.D. No.: *AR-041*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic Solution:  

<i>55% Formic</i>	<i>7% Phenol</i>	<i>3% o-Cresol</i>
<i>10% Methanol</i>	<i>5% Benzyl</i>	<i>1% Tetrachloroet</i>
<i>9% Chloroform</i>	<i>5% Acetone</i>	<i>5% dissolved Nylon and Polyester polymers</i>
6. Type of Packaging: *6D-drum (55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*wear rubber gloves and face protection.*

H. Helmer

Originator's Signature

8-23-78

Date \_\_\_\_\_

**TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:**

- |  |                |                   |
|--|----------------|-------------------|
| 1. Date Inspected by Safety:                   | <i>E/20/78</i> | (Safety Engineer) |
| 2. Gross Weight:                               |                | (Services)        |
| 3. Date Taken to Storage Shed: (if applicable) |                | (Services)        |
| 4. Final Destination:                          |                | (Services)        |
| 5. Shipper's Business Name:                    |                | (Services)        |
| 6. Date Shipped:                               |                | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

## Services

Date \_\_\_\_\_

Safety Engineer,

**Date**

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: MAINTENANCE
2. Local Container I.D. No.: A1-11
3. Material to be Transported: WASTE OIL  
(Proper Shipping Name)
4. Hazard Class: NON HAZARDOUS
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)
6. Type of Packaging: 55 GAL DRUM
7. Potential Hazards and Recommended Procedures:

John Beasley

Originator's Signature

8/22/78

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

- |  |                   |
|--|-------------------|
| 1. Date Inspected by Safety:                   | (Safety Engineer) |
| 2. Gross Weight:                               | (Services)        |
| 3. Date Taken to Storage Shed: (if applicable) | (Services)        |
| 4. Final Destination:                          | (Services)        |
| 5. Shipper's Business Name:                    | (Services)        |
| 6. Date Shipped:                               | (Services)        |

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

Services

Date

Safety Engineer

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.L. Clary - W.P. Lipscomb EHT-T&I*
2. Local Container I.D. No.: *EHT-T&I #14*
3. Material to be Transported: *Waste Tire Yarn Dip*  
(Proper Shipping Name)
4. Hazard Class: *Non-Hazardous*
5. Composition & Concentrations: (Indicate if material is an organic or inorganic solid.)  
*Solidified Dip rubber in water & water base emulsion*  
*Slight Traces <0.5% Basic salts, pH about 10 on*  
*lower*
6. Type of Packaging: *Steel drum*
7. Potential Hazards and Recommended Procedures: *Material adheres to*  
*drums. Do not reuse drums*

*Harry L. Clary*  
Originator's Signature

*8/15/78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: (Safety Engineer)
2. Gross Weight: *450 #* (Services)
3. Date Taken to Storage Shed: (if applicable) *8/16/78* (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*R.A. Selman*

Services  
*8/16/78*

Safety Engineer

Date \_\_\_\_\_

DRUM # 1

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: C.C. PERKINSON, MAINTENANCE UTILITIES
  2. Local Container I.D. No.: U. 1
  3. Material to be Transported: ACIDINE (STATE CHEMICAL CO.,  
(Proper Shipping Name) RUST & SCALE CORROSION  
FORMULA # 126 REMOVER
  4. Hazard Class: CORROSIVE MATERIAL
  5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.  
CONTAINS HYDROCHLORIC ACID (DILUTE)
  6. Type of Packaging: CARDBOARD WITH POLY LINER  
(ORIGINAL CONTAINER)
  7. Potential Hazards and Recommended Procedures:  
~~GLOVES & FACE SHIELD - HANDLE WITH CARE~~  
Put DOT Corrosive label on top
- C.C. Perkinson  
Originator's Signature  
8-1-78  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: 9/16 (Safety Engineer) [Signature]
2. Gross Weight: 150 # (Services)
3. Date Taken to Storage Shed: (if applicable) 9/20/78 (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

R.N. [Signature]

Services

9/20/78

[Signature]  
Safety Engineer

9/16/78  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Steve Clark - Polymer Research Serv.*
2. Local Container I.D. No.: *PR-306-306A-306B-306C*.
3. Material to be Transported: *ETHYLENE GLYCOL*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID NOS*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*90% ETHYLENE GLYCOL*  
*7% TEREPHTHALIC ACID*  
*2% DIISOPROPYLAMINE*  
*1% ANTIMONY ACETATE*
6. Type of Packaging:  
*4X 55 GAC DRUMS.*
7. Potential Hazards and Recommended Procedures:

*Stephen H. Clark*  
Originator's Signature  
*7-31-78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *8/1* *A. H. H. H.* (Safety Engineer)
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

Services

Date

*A. H. H. H.*  
Safety Engineer  
*8/1/78*  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Steve Clark - Polymer Research Serv.*
2. Local Container I.D. No.: *PR-306-306A-(306B)-306C*
3. Material to be Transported: *ETHYLENE GLYCOL*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID NOS*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*90% ETHYLENE GLYCOL*  
*7% TEREPHTHALIC ACID*  
*2% DIISOPROPYLAMINE*  
*1% ANTIMONY ACETATE*
6. Type of Packaging:  
*4X 55 GAL DRUMS.*
7. Potential Hazards and Recommended Procedures:

*Stephen H. Clark*

Originator's Signature

*7-31-78*

Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *8/1* *J. H. [Signature]* (Safety Engineer)
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

Services

Date

*J. H. [Signature]*

Safety Engineer

*8/1/78*

Date



FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Steve Clark - Polymer Research Serv.*
2. Local Container I.D. No.: *PR-306 (306A) 306B - 306C*
3. Material to be Transported: *ETHYLENE GLYCOL*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID NOS*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*90% ETHYLENE GLYCOL*  
*7% TEREPHTHALIC ACID*  
*2% DIISOPROPYLAMINE*  
*1% ANTIMONY ACETATE*
6. Type of Packaging:  
*4X 55 GAC DRUMS.*
7. Potential Hazards and Recommended Procedures:

*Stephen H. Clark*  
\_\_\_\_\_  
Originator's Signature  
*7-31-78*  
\_\_\_\_\_  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *8/1* *[Signature]* (Safety Engineer)
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

\_\_\_\_\_  
Services

\_\_\_\_\_  
Date

*[Signature]*  
\_\_\_\_\_  
Safety Engineer  
*8/1/78*  
\_\_\_\_\_  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *Steve Clark - Polymer Research Serv.*
2. Local Container I.D. No.: *(PR-306)-306A-306B-306C*
3. Material to be Transported: *ETHYLENE GLYCOL*  
(Proper Shipping Name)
4. Hazard Class: *COMBUSTIBLE LIQUID NOS*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*90% ETHYLENE GLYCOL*  
*7% TEREPHTHALIC ACID*  
*2% DIISOPROPYLAMINE*  
*1% ANTIMONY ACETATE*
6. Type of Packaging:  
*4X55 GAC DRUMS.*
7. Potential Hazards and Recommended Procedures:

*Stephen H. Clark*  
Originator's Signature  
*7-31-78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *8/1* *A. H. Alderson* (Safety Engineer)
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

Services

Date

*A. H. Alderson*  
Safety Engineer  
*8/1/78*  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.H. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *"AR-039"*
3. Material to be Transported: *Chromic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Inorganic Solution*
6. Type of Packaging: *6D - drum (5 gallons)*
7. Potential Hazards and Recommended Procedures:  
*Strong Corrosive Solution*  
*Use: rubber gloves*  
*safety glasses*

*Howard H. Helmer*

Originator's Signature

*July - 26, 1978*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *7/26/78* *A.H. Helmer* (Safety Engineer) *A.H. Helmer*
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*A.H. Helmer*

Services

*7/28/78*

Date

*A.H. Helmer*

Safety Engineer

*7/26*

Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *HL Helmer, Routine Analytical Lab*
2. Local Container I.D. No.: *AR-038*
3. Material to be Transported: *Formic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
Organic Solution: *55% Formic*      *7% Phenol*      *3% o-Cresol*  
*10% Methanol*      *5% Benzyl*      *1% Tetrachloro*  
*9% Chloroform*      *5% Acetone*      *5% dissolved*  
*Nylons and*  
*Polyester*  
*Polymers*
6. Type of Packaging: *6D-drum*  
*(55 gallons)*
7. Potential Hazards and Recommended Procedures: *"STRONG CORROSIVE"*  
*Wear rubber gloves and face protection.*

*HL Helmer*  
Originator's Signature  
*7-6-78*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *7/26/78* *A. K. Helmer* (Safety Engineer) *As Above*
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*Chad*  
Services  
*7/28/78*  
Date

Safety Engineer  
Date

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL-FREE 800/424/9300 DAY OR NIGHT

TO BE FILLED OUT BY ORIGINATOR:

1. Originator/Department: *H.H. Helmer, Routine Analytical Lab.*
2. Local Container I.D. No.: *"AR-037"*
3. Material to be Transported: *Chromic Acid Solution*  
(Proper Shipping Name)
4. Hazard Class: *Corrosive Material*
5. Composition & Concentration: (Indicate if material is an organic or inorganic solid.)  
*Inorganic Solution*
6. Type of Packaging: *6D - drum (55 gallons)*
7. Potential Hazards and Recommended Procedures:

*Strong Corrosive Solution*  
*Use: rubber gloves*  
*safety glasses*

*H.H. Helmer*  
Originator's Signature  
*07-05-1978*  
Date

TO BE FILLED OUT BY SAFETY ENGINEER & SERVICES:

1. Date Inspected by Safety: *7/20/78* *(label present)* *[Signature]*  
(Safety Engineer)
2. Gross Weight: (Services)
3. Date Taken to Storage Shed: (if applicable) (Services)
4. Final Destination: (Services)
5. Shipper's Business Name: (Services)
6. Date Shipped: (Services)

This is to certify that the above-named material(s) are properly classified, described, packaged, marked and labeled and in proper condition for transportation according to the applicable regulations of the DOT.

*[Signature]*  
Services  
*7/28/78*  
Date

*[Signature]*  
Safety Engineer  
*7/20/78*  
Date